

## IFPS Job Sheet No. 4

### Using Simple Editing Tools in the Spatial Editor

**Objective** — This job sheet will familiarize you with the operations of the Pencil Tool, Contour Tool, and the Sample Tool. These tools allow you to make simple edits on the grids in the Spatial Editor.

The Pencil Tool allows you to "redraw" the position of a contour. An algorithm recalculates the grid to reflect this new contour position.

**Pencil Edit Tool** - The Pencil Tool is generally used to modify existing contours.

1. While in the **Edit Mode** for the weather element, select the **Pencil Tool** from the **Tool Bar**.
2. **Press** and **drag MB1** over the gridded field. As you drag with MB1 pressed, a **white line appears** that defines the new position for the gridded contour.
3. **Release the left mouse button** and the grid values will be modified.

### Using the Pencil Tool with Weather

1. Load the "Weather" weather element into the GFE (if not already), select a grid and make it editable.
2. Select the Pencil Tool.
3. Find a contiguous area of weather such as "SCT RW-".
4. Move the cursor inside this area and press and hold MB1.
5. Drag the cursor (while holding MB1) to define a new boundary for this weather area.
6. Make sure that your MB1 drag operation ends in the same contiguous weather area in which you started.
7. Release MB1

### Using The Contour Edit Tool - Create a new Contour

1. While in the **Edit Mode** for the weather element, select the **Contour Tool** from the **Tool Bar**.
2. **Pick a value** from the **Color Bar** by clicking MB1 on the color scale.
3. Move the mouse cursor over the Spatial Editor. Press **MB1** and **drag the cursor** to define the **new contour**.
4. When your done drawing the contour, **release MB1**. The new contour will appear in the

Spatial Editor.

5. **Repeat steps 2 through 4** to define more contours as need.
6. Press **MB3** anywhere in the Spatial Editor. A pop-up menu will appear. Select **Calculate New Grid**.

### Adjust a Contour

1. While in the **Edit Mode** for the weather element, select the **Contour Tool** from the **Tool Bar**.
2. **Move** the mouse **cursor over** the **contour** of interest.
3. **Press** and **hold MB2** and **drag** a new position for this **contour**. For the best results, make sure that you release the button over the same contour on which you started with.
4. After you release the button, a new grid will be recalculated.

### Delete a Contour

1. While in the **Edit Mode** for the weather element, select the **Contour Tool** from the **Tool Bar**.
2. **Move** the mouse **cursor over** the **contour** of interest.
3. **Click MB2**. The contour will disappear.

### Using the Sample Tool

The Sample tool displays a text representation of grid values for all currently editable grids. These representations, called "Samples", are useful when you are editing data and want to know the value of a weather element at a particular location, such as a city.

1. Make sure that you have at least one grid displayed in the Spatial Editor.
2. Select the Sample tool located near the middle of the button bar
3. Move the cursor into the display. Press and hold MB1 and drag the cursor around. You should  
see a text representation of the value under the cursor.
4. Release MB1.
5. Make a second weather element visible in the Spatial Editor by clicking MB1 on its label.
6. Press and drag MB1 again in the spatial display. You should see both grid values under the cursor displayed.
7. Release MB1.

## Removing Samples

1. To remove individual Samples, click MB2 directly on the "+" symbol. Your sample is removed..
2. To remove all of the samples from the display, select from the main menu bar Maps->Samples->Clear. All of the samples are removed.

